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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/647,007	08/22/2003	Shigeki Fukunaga	P/1071-1599	1535
2352	7590	02/23/2006	EXAMINER	
OSTROLENK FABER GERB & SOFFEN 1180 AVENUE OF THE AMERICAS NEW YORK, NY 100368403			ARBES, CARL J	
			ART UNIT	PAPER NUMBER
			3729	
DATE MAILED: 02/23/2006				

Please find below and/or attached an Office communication concerning this application or proceeding.

E

<b>Notice of Allowability</b>	Application No.	Applicant(s)	
	10/647,007	FUKUNAGA, SHIGEKI	
	Examiner	Art Unit	
	C. J. Arbes	3729	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 20 October 2005.
2. ☒ The allowed claim(s) is/are 6-10.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**


4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
  - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),  
Paper No./Mail Date herein
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material


5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_.
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_.

  
 C. J. Arbes  
 Primary Examiner  
 Art Unit: 3729

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**Office's Reasons for an Allowance**

COMES NOW the Patent Office and opines at least a reason for the Allowance of this Application, to wit: that the Prior Art neither teaches nor reasonably suggest the structural elements which make a parts mounting apparatus which is used to mount a first part to a second part which comprise a suction head having a head reference mark which can be observed from above, for suctioning the first part at a lower end portion of the suction head, a stage having a reference mark which can be observed from below, for holding a second part at an upper end portion of the stage, a driving mechanism for relatively moving the suction head and the stage in the X, Y, and Z directions, a first optical system for taking images of the second part held by the stage, and the reference mark, from above the suction head, a second optical system, disposed as to generally face the first optical system with the optical axis thereof aligned with the optical axis of the first optical system, for taking images of the first suctioned to the suction head, and the stage reference mark, from below the stage, a computation device for calculating the relative position between the first part and the suction head, and the relative position between the second part and the stage, based upon image information from the first and second optical systems and a control device for performing correction for the suction head and the stage so that the positions of the first part and the second part satisfy a predetermined relation based upon the positional information and the relative positional information from the first and second optical systems detecting the head reference mark, and stage reference mark with the suction head and stage being positioned at the mounting position.

  
**CARL J. ARBES**  
**PRIMARY EXAMINER**